

HBO R & HXP R $\leq 200W$ with Reflector



Areas of application

- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Microscopy
- Solar Simulation

Product features and benefits

- High luminance / radiance with intense point source
- Broad spectral distribution in the visible and ultraviolet range
- Enhanced UV characteristics available on some types
- High arc stability





HBO R 103W

Product family datasheet

Technical data

General Product Information				
Product description	Product number (Americas)	Product name (Americas)	Family brand	Global order reference
HBO R 103 W/45	69311	HBOR103W45 22V 2/CS 1/SKU	HBO	HBO R 103 W/45
HXP R 120 W/45 C VIS ¹⁾	69119	HXP R 120 W/45 C VIS 2/CS 1/SKU		HXP R 120 W/45 C VIS
HXP R 120 W/45 C UV ¹⁾	69120	HXP R 120W/45C UV 2/CS 1/SKU	HXP	HXP R 120 W/45 C UV
HXP R 200 W/45 M ¹⁾	69820	HXP R 200W 85V 45M 2/CS 1/SKU		HXP R 200 W/45 M

Electrical Data				Photometric Data	
Product description	Nominal wattage	Lamp voltage	Lamp current	Focal length	Nominal luminous flux
HBO R 103 W/45	103 W	20...25 V ²⁾	4.0...5.0 A	45.0 mm	
HXP R 120 W/45 C VIS ¹⁾	120 W	60...90 V ³⁾	1.4 A	45.0 mm	2800 lm
HXP R 120 W/45 C UV ¹⁾	120 W	60...90 V ³⁾	1.4 A	45.0 mm	
HXP R 200 W/45 M ¹⁾	200 W	60...96 V ³⁾	3.4 A	45.0 mm	4600 lm

Physical Attributes & Dimensions				
Product description	Color temperature	Lamp base	Diameter	Diameter (in)
HBO R 103 W/45		FaXP2.5-2x65	68.0 mm	2.677 in
HXP R 120 W/45 C VIS ¹⁾	9500 K	-	67.0 mm	2.638 in
HXP R 120 W/45 C UV ¹⁾		-	67.0 mm	2.638 in
HXP R 200 W/45 M ¹⁾		-	67.0 mm	

Product description	Diameter	Length	Product weight	Connector: presence
HBO R 103 W/45	68.0 mm	85.0 mm	120.00 g	
HXP R 120 W/45 C VIS ¹⁾	67.0 mm	77.0 mm	120.00 g	Yes
HXP R 120 W/45 C UV ¹⁾	67.0 mm	77.0 mm	120.00 g	Yes
HXP R 200 W/45 M ¹⁾	67.0 mm	75.0 mm	120.00 g	No

Operating Conditions			Lifetime Data	Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
Product description	Burning position	Cooling	Nominal lifetime	Primary article identifier
HBO R 103 W/45	p20	Required	300 hr	4050300405957
HXP R 120 W/45 C VIS ¹⁾	p20	Forced	2000 hr	4050300882772
HXP R 120 W/45 C UV ¹⁾	p20	Forced	2000 hr	4050300666525
HXP R 200 W/45 M ¹⁾	p20	Forced	2000 hr	4008321180070

Product family datasheet

Product description	Declaration no. in SCIP database	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
HBO R 103 W/45	cce3d02b-c5cd-4be4-8e72-a79d159780b6	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HXP R 120 W/45 C VIS ¹⁾	No declarable substances contained	No declarable substances contained		
HXP R 120 W/45 C UV ¹⁾	No declarable substances contained	No declarable substances contained		
HXP R 200 W/45 M ¹⁾	No declarable substances contained	No declarable substances contained		

¹⁾ To be operated with OSRAM PT VIP EVG

²⁾ Initial electrical values

³⁾ Initial voltage range

Product family datasheet

Safety advice

Due to their high luminance, UV radiation, and high internal pressure in the hot state, HBO and HXP lamps may only be operated in enclosed lamp casings designed for their operation. Since mercury is released if the lamp breaks, special safety precautions must be taken. More information is available upon request, or can be found in the leaflet or operating instructions included with the lamp. You can also review our Product Safety Guide.

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.